

for the cargo piping system. These requirements are defined in § 151.20-5.

(l) *Environmental control/cargo tanks.* This column refers to control of the composition of the environment within cargo tanks. Definitions and detailed requirements are given in § 151.25-1.

(m) *Environmental control/cargo handling space.* This column refers to control of the environment in the cargo handling spaces. Definitions and detailed requirements are found in § 151.25-2.

(n) *Fire protection.* This column specifies whether portable fire extinguishers are required on barges carrying the cargo named. Requirements for cargoes requiring extinguishers are given in Subpart 151.30 of this part.

(o) *Special requirements.* This column refers to requirements in subparts 151.40, 151.50, 151.55, 151.56, and 151.58 of this part which apply to specific cargoes. The section numbers listed omit the preceding part designation, "151".

(p) *Electrical hazard class—group.* This column lists the electrical hazard class and group used for the cargo when determining requirements for electrical equipment under subchapter J (Electrical engineering) of this chapter.

(q) *Temperature control installations.* This column refers to systems which are used to control the temperature of the cargo. Definitions and requirements which are applicable if such sys-

tems are used are given in Subpart 151.40 of this part.

(r) *Tank inspection period.* This column refers to the maximum period in years between internal cargo tank inspections. Applicable requirements are given in § 151.04-5.

[CGFR 70-10, 35 FR 3714, Feb. 25, 1970; 35 FR 6431, Apr. 22, 1970, as amended by CGD 74-275, 40 FR 21958, May 20, 1975; CGD 88-100, 54 FR 40029, Sept. 29, 1989; CGD 96-041, 61 FR 50731, Sept. 27, 1996]

§ 151.05-2 Compliance with requirements for tank barges carrying benzene and benzene containing cargoes, or butyl acrylate cargoes.

A tank barge certificated to carry benzene and benzene containing cargoes or butyl acrylate cargoes must comply with the gauging requirement of Table 151.05 of this part by August 15, 1998. Until that date, a tank barge certificated to carry benzene and benzene containing cargoes must meet either the gauging requirement of Table 151.05 or the restricted or closed gauging requirements in effect on September 29, 1994; and a tank barge certificated to carry butyl acrylate cargoes must meet either the gauging requirements of Table 151.05 or comply with the open, restricted, or closed gauging requirements in effect on September 29, 1994.

[CGD 95-900, 60 FR 34050, June 29, 1995]

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS

Cargo Identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class group	Temp. control install.	Tank internal inspect period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
Acetaldehyde	Press.	Amb.	1NA 2ii	Ind. Pressure.	SR	Restr.	II	P-1	Inerted	Vent F	Yes	.55-1(h)	I-C	NA	G
•Acetic acid	Atmos.	Amb.	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.50-73 .. .55-1(g)	I-D	NA	G
•Acetic anhydride	Atmos.	Amb.	1i 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-73 .. .55-1(g)	I-D	NA	G
Acetone cyanohydrin	Atmos.	Amb.	1i 2i	Integral Grav-ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 ... .50-70(b) .50-73 .. .50-81 ..	I-D	NA	G
Acetonitrile	Atmos.	Amb.	1i 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
Acrylic acid	Atmos.	Amb.	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-70(a) .50-73 .. .50-81 .. .58-1(a)	I-D	NA	G
Acrylonitrile	Atmos.	Amb.	1ii 2ii	Integral Grav-ity.	PV	Closed	II	G-1	NR	Vent F	Yes	.55-1(e) .50-70(a)	I-D	NA	G
Adiponitrile	Atmos.	Amb.	1ii 2i	Integral Grav-ity.	PV	Open	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
Alkyl(C7-C9) nitrates	Atmos.	Amb.	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.50-81 .. .50-86	NA	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Name	Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Elec-trical hazard class-group	Temp. control instal.	Tank in-ternal in-spect. period—years
	Pressure	Temp.			Type	Vent	Gauging device	Piping class	Control	Cargo tanks	Cargo handling space					
Allyl alcohol	Atmos.	Amb.	I	1ii 2ii	Integral Grav-ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 ....50-73 ..	I-C	NA	G
Allyl chloride	Atmos.	Amb.	I	1ii 2ii	Integral Grav-ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 ...	I-D	NA	G
Aluminum sulfate so-lution.	Atmos	Amb	III	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.58-1(e)	NA	NA	G
Amineethyl ethanol amine.	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(b)	NA	NA	G
Ammonia, anhydrous	Press.	Amb.	II	1NA 2ii	Ind. Pres-sure.	SR 250 p.s.i.	Restr.	II	P-2	NR	Vent F	No	.50-30 .. .50-32 ..	I-D	NA	G
Ammonia, anhydrous	Atmos.	Low	II	1NA 2ii	Ind. Grav-ity.	PV	Restr.	II-L	G-2	NR	Vent F	No	.50-30 .. .50-32 ..	I-D	.40-1(b)(1)	8
Ammonium bisulfite solution (70% or less).	Atmos	Amb	III	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-73 .. .56-1(a), (b), (c).	NA	NA	G
Ammonium hydrox-ide (28% or less NH ₃).	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	.56-1(a), (b), (c), (f), (g).	I-D	NA	G

Aniline	Atmos.	Amb.	I	1i 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes .50-5, .50- 73.	I-D	NA	G
Anthracene oil (Coal tar fraction).	Atmos.	Amb. Elev.	II	1ii 2ii	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes No	I-D	NA	G
Argon, liquefied	Press.	Low	III	1NA 2i	Ind. Pres- sure.	SR	Restr.	II-L	P-1	NR	Vent F	No .40-1(a) .50-30 .. .50-36.	NA	.40-1(a)	G
Benzene	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	Yes .50-60 ..	I-D	NA	G
Benzene hydro- carbon mixtures (containing Acetylenes) (hav- ing 10% Benzene or more).	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	Yes .56- 1(b), (d), (f), (g).	I-D	NA	G
Benzene hydro- carbon mixtures (having 10% Ben- zene or more).	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	Yes	I-D	NA	G
Benzene, Toluene, Xylene mixtures (having 10% Ben- zene or more).	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	Yes No	I-D	NA	G
Butadiene	Press.	Amb.	II	1NA 2ii	Ind. Pres- sure.	SR	Restr.	II	P-2	NR	Vent F	Yes .50- 70(a), .50- 73.	I-B	NA	G
Butadiene, Butylene mixtures (contain- ing Acetylenes).	Press.	Amb.	II	1NA 2ii	Ind. Pres- sure.	SR	Restr.	II	P-1	NR	Vent F	Yes .50-30 .. .50- 70(a), .50- 73. .56- 1(b), (d), (f), (g).	I-B	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class group	Temp. control install.	Tank internal inspection period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
iso-Butyl acrylate, see Butyl acrylate, (all isomers) .															
n-Butyl acrylate, see Butyl acrylate, (all isomers) .															
Butyl acrylate (all isomers).	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	G-1	NR	Vent F	Yes	.50-70(a), .50-81(a), (b).	I-D	NA	G	
Butylamine (all isomers).	Atmos.	Amb.	II	Ind. Grav-ity.	PV	Closed	G-1	NR	Vent F	Yes	.55-1(c)	I-D	NA	G	
•iso-Butylaldehyde, see Butyraldehyde (all isomers) .															
•n-Butylaldehyde, see Butyraldehyde (all isomers) .															
Butyl methacrylate ...	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	G-1	NR	Vent F	Yes	.50-70(a), .50-81(a), (b).	I-D	NA	G	
Butyraldehyde (all isomers).	Atmos.	Amb.	III	Integral Grav-ity.	PV	Open	G-1	NR	Vent F	Yes	.55-1(h)	I-C	NA	G	
Camphor oil (light) ...	Atmos.	Amb.	II	Integral Grav-ity.	Open	Open	G-1	NR	Vent N	Yes	No	I-D	NA	G	

	Atmos.	Amb.	I	1i 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes .50-5 ....50-73 ..	NA	NA	G
Carbolic oil															
•Carbon dioxide, <i>liq- uefied</i> .	Press.	Low	III	1 NA 2i	Ind. Pres- sure.	SR	Restr.	I-L	P-1	NR	Vent F	No .50-30 ..	NA	.40- 1(b)(1)	G
Carbon disulfide	Atmos.	Amb.	II	1NA 2ii	Ind. Grav- ity.	PV	Restr.	II	G-1	Inert	Vent F	Yes .50-40 .. .50-41 ..	I-A	NA	G
Carbon tetrachloride	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	PV	Open	II	G-1	NR	Vent N	No No	NA	NA	G
Caustic potash solu- tion.	Atmos.	Amb. Elev.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	NR	No .50-73 .. .55-1(i)	NA	NA	G
Caustic soda solution	Atmos.	Amb. Elev.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	NR	No .50-73 .. .55-1(i)	NA	NA	G
Chlorine	Press.	Amb.	I	1NA 2ii	Ind. Pres- sure.	SR 300 p.s.i.	Indirect	I	P-2	NR	Vent F	No .50-30 .. .50-31 ..	NA	NA	3
Chlorobenzene	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Open	II	G-1	NR	Vent N	Yes No	I-D	NA	G
Chloroform	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent F	No No	NA	NA	G
Chlorohydrins (<i>crude</i>).	Atmos.	Amb.	I	1ii 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes .50-5 ...	I-D	NA	G
Chlorosulfonic acid ..	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Open	II	G-1	NR	Vent N	No .50-20 .. .50-21 .. .50-73 ..	I-B	NA	G
o-Chloronitro ben- zene.	Atmos.	Amb.	I	1ii 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes .50-5 ....50-73 ..	NA	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Name	Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class-group	Temp. control instal.	Tank internal inspect. period—years
	Pressure	Temp.			Type	Vent	Gauging device	Piping class	Control	Cargo tanks	Cargo handling space					
•Coal tar naphtha solvent.	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-73 ..	I-D	NA	G
•Coal tar pitch (mol-ten).	Atmos.	Elev.	III	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-73 ..	I-D	NA	G
Creosote	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	No	NA	NA	G
Cresols (all isomers)	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	No	NA	NA	G
<i>Cresols with less than 5% Phenol, see Cresols (all isomers).</i>																
<i>Cresols with 5% or more Phenol, see Phenol.</i>																
Cresylate spent caustic.	Atmos.	Amb.	III	1ii 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-73 .. .55-1(b)	NA	NA	G
Cresylic acid, sodium salt solution, see Cresylate spent caustic.																
Crotonaldehyde	Atmos.	Amb.	II	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(h)	I-C	NA	G

Cyclohexanone	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .56- 1(a), (b).	I-D	NA	G
Cyclohexylamine	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes 1(a), (b), (c), (g).	I-D	NA	G
iso-Decyl acrylate	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes .50- 70(a), .50- 81(a), (b), .55-1(c)	NA	NA	G
Dichlorobenzene (all isomers).	Atmos.	Amb.	III	1ii 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes 1(a), (b).	I-D	NA	G
1,1-Dichloroethane ...	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes No	I-D	NA	G
Dichlorodifluoro- methane.	Press.	Amb.	III	1NA 2i	Ind. Pres- sure.	SR	Restr.	II	P-1	NR	NR	No No	NA	NA	G
2,2'-Dichloroethyl ether.	Atmos.	Amb.	II	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .55-1(f)	I-C	NA	G
Dichloromethane	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	No No	I-D	NA	G
2,4-Dichlorophenoxy- acetic acid, diethanolamine salt solution.	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	No 1(a), (b), (c), (g).	NA	NA	G
2,4-Dichlorophenoxy- acetic acid, di- methanolamine salt solution.	Atmos.	Amb. Elev	III	1i 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	No 1(a), (b), (c), (g).	NA	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class-group	Temp. control instal.	Tank internal inspect. period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
2,4-Dichlorophenoxy-acetic acid, triisopropanolamine salt solution.	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	Open	II	G-1	NR	Vent N	No	.56-1(a), (b), (c), (g).	NA	G	
1,1-, 1,2-, or 1,3-Dichloropropane, see individual entries.															
1,1-Dichloropropane	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
1,2-Dichloropropane	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
1,3-Dichloropropane	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
1,3-Dichloropropene	Atmos.	Amb.	II	1ii 2ii	Integral Grav-ity.	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
Dichloropropene, Dichloropropane mixtures.	Atmos.	Amb.	II	1ii 2ii	Integral Grav-ity.	Closed	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
2,2-Dichloropropionic acid.	Atmos.	Amb.	II	1ii 2i	Integral Grav-ity.	Restr.	II	G-1	Dry	Vent F	Yes	.50-73 .. .58-1(e)	NA	NA	G
Diethanolamine	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	Open	II	G-1	NR	Vent N	Yes	.55-1(c)	NA	NA	G

Diethylamine	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .55-1(c)	I-C	NA	G
Diethylenetriamine ...	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes .55-1(c)	NA	NA	G
Diethyl ether, see Ethyl ether.															
Diisobutylamine	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .55-1(c)	I-C	NA	G
Diisopropanolamine	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes .55-1(c)	NA	NA	G
Diisopropylamine	Atmos.	Amb.	II	1ii 2ii	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	Yes .55-1(c)	I-C	NA	G
N,N-Dimethylacet- amide.	Atmos.	Amb.	III	1ii 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .56-1(b)	I-D	NA	G
Dimethylamine	Press.	Amb.	II	1NA 2ii	Ind. Pres- sure.	SR	Restr.	II	P-2	NR	Vent F	Yes .55-1(c)	I-C	NA	G
Dimethylethanol- amine.	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .56- 1(b), (c).	I-C	NA	G
Dimethylformamide ..	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .55-1(e)	I-D	NA	G
1,4-Dioxane	Atmos.	Amb.	II	1ii 2ii	Integral Grav- ity.	PV	Closed	II	G-1	Inerted	Vent F	Yes No	I-C	NA	G
Diphenylmethane diisocyanate.	Atmos.	Elev.	II	1ii 2i	Integral Grav- ity.	PV	Closed	I	G-1	Inert Dry	Vent F	Yes .50-5 ....56- 1(a), (b).	NA	Yes	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo seg-regation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Elec-trical hazard class-group	Temp. control instal.	Tank in-ternal in-spect. period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
Di-n-propylamine	Atmos.	Amb.	II	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(c)	I-C	NA	G
Dodecylmethyl-amine, Tetradecyl-dimethylamine mixture.	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.56-1(b)	NA	NA	G
Epichlorohydrin	Atmos.	Amb.	I	Integral Grav-ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 ...	I-C	NA	G
Ethanolamine	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(c)	II-D	NA	G
Ethyl acrylate	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-.70(a). .50-.81(a). (b).	I-D	NA	G
Ethylamine solution (72% or less).	Atmos.	Amb.	II	Integral Grav-ity.	PV	Closed	II	G-1	NR	Vent F	Yes	.55-1(b)	I-D	NA	G
N-Ethylbutylamine	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(b)	I-C	NA	G
Ethyl chloride	Press.	Amb.	II	Ind. Pres-sure.	SR	Restr.	II	P-2	NR	Vent F	Yes	No	I-D	NA	8
N-Ethylcyclohexyl-amine.	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(b)	I-C	NA	G

	Atmos.	Amb.	I	1i 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes .50-5 .50-73 ..	I-D	NA	G
Ethylene chloro- hydrin.	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes No	NA	NA	G
Ethylene cyanohydrin	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes .55-1(c)	I-D	NA	G
Ethylenediamine	Atmos.	Amb.	II	1ii 2i	Integral Grav- ity.	PV	Closed	II	G-1	NR	Vent F	No No	NA	NA	G
Ethylene dibromide ..	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes No	I-D	NA	G
Ethylene dichloride ..	Atmos.	Amb.	III	1i; 2i	Integral Grav- ity..	PV	Restr.	II	G-1	NR	Vent F	Yes No	I-C	NA	G
Ethylene glycol monoalkyl ethers. Including:	Atmos.	Amb.	III												
2-Ethoxyethanol															
Ethylene glycol butyl ether.															
Ethylene glycol tert- butyl ether.															
Ethylene glycol ethyl ether.															
Ethylene glycol methyl ether.															
Ethylene glycol n- propyl ether.															
Ethylene glycol iso- propyl ether.															
Ethylene glycol hexyl ether.	Atmos.	Amb.	III	1i; 2i	Integral Grav- ity..	Open	Open	II	G-1	NR	Vent N	Yes No	NA	NA	G
Ethylene glycol propyl ether.	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes No	NA	NA	G
Ethylene oxide	Press.	Amb.	I	1NA 2ii	Ind. Pres- sure.	SR	Restr.	II	P-2	Inert	Vent F	Yes .50-10 .. .50-12 ..	I-B	.40-1(c)	4

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class-group	Temp. control instal.	Tank internal inspect. period—years	
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
Ethyl ether	Atmos.	Amb.	II	1NA 2ii	Ind. Grav-ity.	PV	Closed	II	G-1	Inert	Vent F	Yes	.50-40 .. .50-42 ..	I-C	NA	G
2-Ethylhexyl acrylate	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.50-70(a), .50-81(a), (b).	I-D	I-D	G
Ethylidene norborn-ene.	Atmos.	Amb.	II	1ii 2ii	Integral Grav-ity.	PV	Closed	II	G-1	NR	Vent F	Yes	.50-5 .. .50-74 ..	NA	NA	G
Ethyl methacrylate ...	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-70(a).	I-D	NA	G
2-Ethyl-3-propylacrolein.	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	No	I-C	NA	G
Ferric chloride solutions.	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-20 .. .50-75 ..	I-B	NA	G
Fluorosilicic acid (30% or less).	Atmos.	Amb.	II	1ii 2ii	Ind. Grav-ity.	PV	Closed	II	G-1	NR	Vent F	No	.50-20 .50-22 .50-73 .50-77	I-B	NA	4
Formaldehyde solution (37% to 50%).	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	.55-1(h)	I-B	NA	G
•Formic acid	Atmos.	Amb.	III	1ii 2i	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-73 .. .55-1(i)	I-D	NA	G

Furfural	Atmos.	Amb.	III	1ii 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(h)	I-C	NA	G
Glutaraldehyde solution (50% or less).	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	No	No	NA	NA	G
Hexamethylenediamine solution.	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(c)	I-D	NA	G
Hexamethylenimine	Atmos.	Amb.	II	1ii 2i	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.56-1(b), (c).	I-C	NA	G
Hydrochloric acid	Atmos.	Amb.	III	1NA 2ii	Ind. Grav- ity.	Open	Open	II	G-1	NR	Vent F	No	.50-20 .. .50-22 .. .50-73 ..	I-B	NA	4
Hydrofluoro silicic acid (25% or less), see Fluorosilicic acid (30% or less) .																
2-Hydroxyethyl acrylate.	Atmos.	Amb.	I	1ii 2i	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 .....50-70(a). .50-73 .. .50-81(a), (b).	NA	NA	G
Isoprene	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Open	II	G-1	NR	Vent F	Yes	.50-70(a). .50-81(a), (b).	I-D	NA	G
Kraft pulping liquors (free alkali content 3% or more) (including: <i>Black, Green, or White liquor</i>).	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	NR	No	.50-73 .. .56-1(a), (c), (g).	NA	NA	G
Mesityl oxide	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Elec-trical hazard class-group	Temp. control instal.	Tank in-ternal in-spect. period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
Methylacetylene, Propadiene mixture.	Press.	Amb.	1 NA 2ii	Ind. Pres-sure.	SR	Restr.	II	P-2	NR	Vent F	Yes	.50-79 ..	I-C	NA	G
Methyl acrylate	Atmos.	Amb.	1i 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-70(a), .50-81(a), (b).	I-D	NA	G
Methylamine solution (42% or less).	Atmos.	Amb.	1NA 2ii	Ind. Grav-ity.	PV	Closed	II	G-1	NR	Vent F	Yes	.56-1(a), (b), (c), (g).	I-D	NA	G
Methyl bromide	Press.	Amb.	1NA 2ii	Ind. Pres-sure.	SR	Closed	I	P-2	NR	Vent F	Yes	.50-5	I-D	NA	2
Methyl chloride	Press.	Amb.	1NA 2ii	Ind. Pres-sure.	SR	Restr.	II	P-2	NR	Vent F	Yes	.55-1(c)	I-D	NA	8
Methylcyclopentadiene dimer.	Atmos	Amb	1i 2i	Integral Grav-ity.	PV	Restr	II	G-1	NR	Vent F	Yes	No	I-B	NA	G
Methyl diethanol-amine.	Atmos	Amb	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.56-1(b), (c).	I-C	NA	G
2-Methyl-5-ethylpyri-dine.	Atmos.	Amb.	1i 2i	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(e)	I-D	NA	G

	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50- 70(a), .50- 81(a), (b).	I-D	NA	G
Methyl methacrylate																
2-Methylpyridine	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(c)	I-D	NA	G
alpha-Methylstyrene	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50- 70(a), .50- 81(a), (b).	I-D	NA	G
Monochlorodifluoro- methane.	Press.	Amb.	III	1NA 2i	Ind. Pres- sure.	SR	Restr.	I	P-1	NR	NR	No	No	NA	NA	G
Morpholine	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(c)	I-C	NA	G
Motor fuel anti-knock compounds (con- taining lead alkyls).	Atmos.	Amb.	I	1ii 2ii	Ind. Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-6	I-D	NA	.50-6
Nitric acid (70% or less).	Atmos.	Amb.	II	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	No	.50-20 .. .50-73 .. .50-80 ..	I-B	NA	4
Nitrobenzene	Atmos.	Amb.	I	1ii 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5	I-D	NA	G
Nitrogen, liquefied ...	Press.	Low	III	1NA 2i	Ind. Pres- sure.	SR	Restr.	II-L	P-1	NR	Vent F	No	.40-1(a) .50-30 .. .50-36,	NA	.40-1(a)	G
o-Nitrotoluene	Atmos.	Amb.	I	1ii 2ii	Integral Grav- ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5	I-D	NA	G
1- or 2-Nitropropane	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-81 ..	I-C	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo seg-regation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class-group	Temp. control instal.	Tank internal inspect. period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
•Octyl nitrates (all isomers), see Alky(C7–C9) nitrates.															
Oleum	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-20 .. .50-21 .. .50-73 ..	I-B	NA	4
Pentachloroethane ...	Atmos	Amb	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	No	NA	NA	G
1,3-Pentadiene	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-70(a). .50-81 ..	I-D	NA	G
Perchloroethylene	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	No	NA	NA	G
Phenol	Atmos.	Amb.	I	Integral Grav-ity.	PV	Closed	I	G-1	NR	Vent F	Yes	.50-5 ....50-73 ..	I-D	NA	2
•Phosphoric acid	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-20 .. .50-23 .. .50-73 ..	I-B	NA	4
•Phosphorus, white (elemental).	Atmos.	Elev.	I	Integral Grav-ity.	PV	Closed	I	G-1	Water Pad	Vent F	Yes	.50-50 ..	NA	NA	4-8
Phthalic anhydride (molten).	Atmos.	Elev.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G

	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(e)	NA	NA	G
Polyethylene poly- amines.	Atmos.	Amb.	II	1ii 2i	Integral Grav- ity.	Closed	PV	II	G-1	Dry	Vent F	Yes	.55-1(e)	NA	NA	G
Potassium hydroxide solution, see Caustic potash so- lution.																
iso-Propanolamine ...	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(c)	I-D	NA	G
Propanolamine (iso-, n-).	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes	.56- 1(b), (c).	I-D	NA	G
•Propionic acid	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	Open	Open	II	G-1	NR	Vent N	Yes	.50-73 .. .55-1(g)	I-D	NA	G
iso-Propylamine	Atmos.	Amb.	II	1ii 2ii	Integral Grav- ity.	Closed	PV	II	G-1	NR	Vent F	Yes	.55-1(c)	I-D	NA	G
Propylene oxide	Press.	Amb.	II	1NA 2ii	Ind. Pres- sure.	Restr.	SR	II	P-1	Inerted	Vent F	Yes	.50-10 .. .50-13 ..	I-B	NA	G
iso-Propyl ether	Atmos.	Amb.	III	1ii 2ii	Integral Grav- ity.	Restr.	PV	II	G-1	Inert	Vent F	Yes	.50- 70(a).	I-D	NA	G
Pyridine	Atmos.	Amb.	III	1i 2ii	Integral Grav- ity.	Restr.	PV	II	G-1	NR	Vent F	Yes	.55-1(e)	I-D	NA	G
•Sodium aluminate solution (45% or less).	Atmos	Amb/ Elev	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	NR	No	.50-73 .. .56- 1(a), (b), (c).	NA	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo segregation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class group	Temp. control install.	Tank internal inspection period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
•Sodium chlorate solution (50% or less).	Atmos.	Amb.	1i 2i	Integral Gravity.	Open	Open	II	G-1	NR	Vent N	No	.50-73 ..	NA	NA	G
Sodium dichromate solution (70% or less).	Atmos.	Amb.	1ii 2ii	Integral Gravity.	Open	Closed	II	G-1	NR	Vent N	No	.50-5(d) .50-73 .. .56-1(b), (c).	NA	NA	G
Sodium hydroxide solution, see Caustic soda solution.															
•Sodium hypochlorite solution (20% or less).	Atmos.	Amb.	1i 2ii	Integral Gravity.	PV	Restr.	II	G-1	NR	Vent F	No	.50-73 .. .56-1(a), (b).	NA	NA	G
Sodium sulfide, hydrosulfide solutions (H ₂ S 15ppm or less).	Atmos.	Amb.	1i 2i	Integral Gravity.	Open	Open	II	G-1	NR	Vent N	No	.50-73 .. .55-1(b)	NA	NA	G
Sodium sulfide, hydrosulfide solutions (H ₂ S greater than 15ppm but less than 200ppm).	Atmos.	Amb.	1ii 2i	Integral Gravity.	PV	Restr.	II	G-1	NR	Vent F	No	.50-73 .. .55-1(b)	NA	NA	G
Sodium sulfide, hydrosulfide solutions (H ₂ S greater than 200ppm).	Atmos.	Amb.	1ii 2i	Integral Gravity.	PV	Closed	II	G-1	NR	Vent F	No	.50-73 .. .55-1(b)	NA	NA	G
Sodium thiocyanate solution (56% or less).	Atmos.	Amb.	1i 2i	Integral Gravity.	Open	Open	II	G-1	NR	Vent N	Yes	.58-1(a)	NA	NA	G

Styrene monomer	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.50-70(a), .50-81(a), (b).	I-D	NA	G
Sulfur (molten)	Atmos.	Elev.	III	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	Vent N	Vent N	Yes	.50-55 ..	I-C	.40-1(f)(1)	G
Sulfur dioxide	Press.	Amb.	I	1NA 2ii	Ind. Pres-sure.	SR	Closed	.....	P-2	NR	Vent F	No	.50-30 .. .50-84 .. .55-1(f)	NA	NA	2
Sulfuric acid	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-20 .. .50-21 .. .50-73 ..	I-B	NA	4
Sulfuric acid, spent ..	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	No	.50-20 .. .50-21 .. .50-73 ..	I-B	NA	4
1,1,2,2-Tetrachloroethane.	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	PV	Restr	II	G-1	NR	Vent F	No	No	NA	NA	G
Tetraethylenepent-amine.	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(c)	I-C	NA	G
Tetrahydrofuran	Atmos.	Amb.	III	1i 2ii	Integral Grav-ity.	PV	Restr	II	G-1	NR	Vent F	Yes	.50-70(b).	I-C	NA	G
Toluene diisocyanate	Atmos.	Amb.	I	1ii 2ii	Integral Grav-ity.	PV	Closed	I	G-1	Dry N ₂	Vent F	Yes	.50-5 .....55-1(e)	I-D	NA	G
1,2,4-Trichlorobenzene.	Atmos.	Amb.	III	1ii 2ii	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	No	I-D	NA	G
1,1,2-Trichloroethane	Atmos.	Amb.	III	1ii 2i	Integral Grav-ity.	PV	Restr	II	G-1	NR	Vent F	No	.50-73 .. .56-1(a)	I-D	NA	G
Trichloroethylene	Atmos.	Amb.	III	1i 2i	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	No	I-D	NA	G

TABLE 151.05—SUMMARY OF MINIMUM REQUIREMENTS—Continued

Cargo identification ¹		Hull type	Cargo seg-regation tank	Tanks			Cargo transfer		Environmental control		Fire protection required	Special requirements (section in 46 CFR part 151)	Electrical hazard class group	Temp control install.	Tank internal inspect period—years
Name	Pressure			Temp.	Type	Vent	Gauging device	Piping class	Control	Cargo tanks						Cargo handling space
1,2,3-Trichloropropane.	Atmos.	Amb.	II	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.50-73 .56-1(a)	NA	G	
Triethanolamine	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(b)	NA	G	
Triethylamine	Atmos.	Amb.	II	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	Yes	.55-1(e)	NA	G	
Triethylenetetramine	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	Vent N	Yes	.55-1(b)	NA	G	
Triphenylborane (10% or less), Caustic soda solution.	Atmos.	Amb.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	NR	No	.56-1(a), (b), (c).	NA	G	
Trisodium phosphate solution.	Atmos.	Amb. Elev.	III	Integral Grav-ity.	Open	Open	II	G-1	NR	NR	No	.50-73 .56-1(a), (c).	NA	G	
Urea, Ammonium nitrate solution (containing more than 2% NH ₃).	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	NR	Vent F	No	.56-1(b)	NA	G	
Valeraldehyde (iso-, n-), see Valeraldehyde (all isomers) .															
Valeraldehyde (all isomers).	Atmos.	Amb.	III	Integral Grav-ity.	PV	Restr.	II	G-1	Inert	Vent F	Yes	No	NA	G	

	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	Open	II	G-1	NR	NR	No	.50-73 .. .56- 1(a), (c), (g).	NA	NA	NA	G
Vanillin black liquor (free alkali content 3% or more).																	
Vinyl acetate	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Open	PV	II	G-1	NR	NR	Yes	.50- 70(a), .50- 81(a), (b).	I-D	NA		G
Vinyl chloride	Press.	Amb.	II	1NA 2i	Ind. Pres- sure.	Closed	SR	II	P-2	NR	NR	Yes	.50-30 .. .50-34 ..	I-D	NA		8
Vinyl chloride	Atmos.	Low	II	1NA 2i	Ind. Grav- ity.	Closed	PV	II-L	G-2	NR	NR	Yes	.50-30 .. .50-34 ..	I-D	.40- 1(b)(1)		8
Vinylidene chloride ...	Atmos.	Amb.	II	1NA 2i	Ind. Grav- ity.	Closed	PV	II	P-2	Padded	NR	Yes	.55-1(f) .50- 70(a), .50- 81(a), (b).	I-D	NA		G
Vinyltoluene	Atmos.	Amb.	III	1i 2i	Integral Grav- ity.	Restr.	PV	II	G-1	NR	NR	Yes	.50- 70(a), .50-81 .. .56- 1(a), (b), (c), (g).	I-D	NA		G
For requirements see these sections.	.....	.....	151-10- 1	151-13- 5	151-15- 1.	151-15- 10	151-15- 5	151-20- 1	151-20- 5	151-25-1	151-25-2	151-30	.....	111.105 (Sub- chapter J)	151.40		151.04- 5

See Table 2 of Part 153 for additional cargoes permitted to be carried by tankbarge.

Items with a bullet (•) or in **boldface** are changes since October 1, 1993.

Terms and symbols:

Segregation—Tank—

Line 1—Segregation of cargo from surrounding waters:

i=Skin of vessel (single skin) only required. Cargo tank wall can be vessel's hull.

ii=Double skin required. Cargo tank wall cannot be vessel's hull.

Line 2—Segregation of cargo space from machinery spaces and other spaces which have or could have a source of ignition:

i=Single bulkhead only required. Tank wall can be sole separating medium.

ii=Double bulkhead required. Cofferdam, empty tank, pumproom, tank with Grade E Liquid (if compatible with cargo) is satisfactory.

Internal tank inspection—
G—Indicates cargo is subject to general provisions of 151.04-5(b).
Specific numbers in this column are changes from the general provisions.
Abbreviations used:
Tank type: Ind=Independent.
Vent:
PV=Pressure vacuum valve.
SR=Safety relief.
Gauging device: Restr.=Restricted.
General usage:
NR=No requirement.
NA=Not applicable.
1. The provisions contained in 46 CFR Part 197, subpart C, apply to liquid cargoes containing 0.5% or more benzene by volume.
[CGD 88-100, 54 FR 40029, Sept. 29, 1989, as amended by CGD 85-061, 54 FR 50966, Dec. 11, 1989; CGD 88-100, 55 FR 17277, Apr. 24, 1990; CGD 88-040, 56 FR 52135, Oct. 17, 1991; 56 FR 65006, Dec. 13, 1991; CGD 92-100, 59 FR 17027, Apr. 11, 1994; CGD 94-900, 59 FR 45136, 45137, 45138, Aug. 31, 1994; CGD 94-902, 60 FR 34043, June 29, 1995; CGD 95-900, 60 FR 34050, June 29, 1995]